

# Work Order ID 66879

Wednesday, March 02, 2011 8:05:06 AM



Page 1

Item ID: D350-578-013

Accept



Setup Start



Revision ID:

Stop



Item Name: Bearpaw

Start Date: 3/2/2011 Start Qty: 1.00



Cust Item ID:

Required Date: 3/2/2011 Req'd Qty: 1.00



Customer:

Reference: Rework

Approvals: Process Plan: *W*

Date:

Tooling:

Date:

Run Start



QC:

Date:

SPC (Y/N):

Date:

Stop



Sequence ID/ Work Center ID	Operation Description	Set Up/ Run Hours	Tool ID	Tool #	Plan Code	Accept Qty	Reject Qty	Reject Number	Insp. Stamp
Draw Nbr	Revision Nbr								
DSI 9539	B								

100

0.00



DOCUMENT CONTROL

DC

Memo

0.00

Document Control

Photocopy bluefile and type labels per PPP D350-578-013 and DSI9539  
CHG001

*rev. B*

*S. U. Lopez*

*Order BG 11-3-2*

105

0.00



Pick Kit

Memo

0.00

Packaging

PULL FROM STOCK:  
1 X D350-578-013 B64939  
ADD TO KITS:  
12 ~~20~~ X AN4-20A B *1040/6*  
PAPERWORK DSI 9539 REV.B  
PER ECN11-529

*4/3/2*

**Work Order ID 66879**

Wednesday, March 02, 2011 8:05:06 AM



Page 2

Item ID: D350-578-013

Accept



Setup Start



Revision ID:

Stop



Item Name: Bearpaw

Start Date: 3/2/2011 Start Qty: 1.00



Cust Item ID:

Required Date: 3/2/2011 Req'd Qty: 1.00



Customer:

Reference:

Approvals: Process Plan: \_\_\_\_\_ Date: \_\_\_\_\_ Tooling: \_\_\_\_\_ Date: \_\_\_\_\_

Run Start



QC: \_\_\_\_\_ Date: \_\_\_\_\_ SPC (Y/N): \_\_\_\_\_ Date: \_\_\_\_\_

Stop

Sequence ID/  
Work Center IDOperation  
DescriptionSet Up/  
Run Hours

Tool ID

Tool # Plan  
CodeAccept  
QtyReject  
QtyReject  
NumberInsp.  
Stamp

110



QC

Quality Control

QC4- 100% Inspect kits for completeness

0.00

Memo

0.00

Sulog/ae

(x)

120



Packaging

Packaging

Packaging

0.00

Memo

0.00

RE-PACKAGE PER PPP  
USING NEW B/N, NEW LABEL REQ'D  
Identify and pack for shipping as per PPP D350-578-013 and DSI9539  
Location: \_\_\_\_\_  
PPP Rev: \_\_\_\_\_

11/03/12 (1)

130



QC

Quality Control

QC21- Final Inspection - Work Order Release

0.00

Memo

0.00

11/03/04

mrf

11-03-03

# Picklist Print

Wednesday, March 02, 2011 8:05:03 AM

Page 1

Work Order ID: 66879

Parent Item: D350-578-013

Parent Item Name: Bearpaw



Start Date: 3/2/2011

Required Date: 3/2/2011

Start Qty: 1.00

Required Qty: 1.00

Comments: IPP REV:A 11.01.04 NEW ISSUE VERF:JLM

Component Item ID/ Item Name	Replacement Item ID	Mfg/ Purch	Bin Item	Primary Location	Last Location	Route Seq ID	Unit of Measure	Qty on Hand	Qty per Kit	Total Qty	Qty Issued	Date Issued	Status
AN4-20A 		Purchased	No				Each	449.0000		12			
Bolt													

Location

Loc Qty

Loc Code

ST359

449

104016

49

115936

200

116419

200

D350-578-013

Manufactured

No



Bearpaw

Each

0.0000



1

64938

3/4/3/2011

B64939

## List Lots

Wednesday, March 02, 2011 8:00:29 AM

Page 1 of 1

Criteria : Item ID: d350-578-013 All Locations All Warehouses All Quantity

Item ID Item Name	Warehouse ID Location ID	Lot Number	Last Trans Date	Lot Qty	Shelf Life Dt Lot Code	Type Code	Comments
D350-578-013 Bearpaw	Main Warehouse FG	64939	1/6/2011	1.0000	QC21		
Total:				1.0000			

66879

W

# DART SERVICE INSTRUCTION

TO AMEND INSTALLATION INSTRUCTIONS D350-578 REV. F OR EARLIER  
AND INSTRUCTIONS FOR CONTINUED AIRWORTHINESS ICA-D350-578 REV. 1 OR EARLIER

REF. TCCA STC: SH93-4  
REF. FAA STC: SR00028NY  
REF. FAA STC: SR00029NY  
REF. EASA STC: 10016984

REFERENCE ONLY

## 1.0 PURPOSE

The purpose of this DSI is to add the D350-578-013 Bearpaw Kit, which is similar to the existing D350-578-011 Bearpaw Kit, except that the machined pockets have been removed per customer preference. The D350-578-013 Kit installs in the same way as the D350-578-011 Kit.

## 2.0 INSTALLATION PROCEDURE

- 2.1 Jack up the aircraft. Ensure the skid tubes are serviceable.
- 2.2 If the Bearpaws are being installed on Dart Skid tubes remove the D3537-1 or D2648-1 Wearpads prior to installing the bearpaws. It is not necessary to remove the Dart Wearplates and gaskets. Re-install attachment hardware into open inserts.
- 2.3 Position the D4297-1 Bearpaw on the aft end of each skid tube as shown in Figure 2.
- 2.4 Install the D2438 clamps with the hardware as shown in Figure 3.  
**Caution: The torque on the nuts should be limited to 20 in-lb (2.3 Nm).**
- 2.5 The D4297-1 Bearpaw may be relieved to clear wearshoe mounting screws provided the relief leaves 0.375" (9.53mm) thickness.
- 2.6 Lower the aircraft.

## 3.0 WEIGHT AND BALANCE

Installation	Weight	Lateral		Longitudinal	
		Arm	Moment	Arm	Moment
D350-578-013 Bearpaw Kit	17.60 lb 8.00 kg	0.0 in 0.0 m	0.0 in-lb 0.0 m-kg	157.0 in 3.99 m	2763.2 in-lb 31.92 m-kg

## 4.0 PARTS LIST





QTY. -013	PART NUMBER	DESCRIPTION
X	D350-578-013	Bearpaw Kit
6	D2182B050	Rubber Cushion
12	D2274	Radius Block
12	D2529	Washer
6	D2438	Clamp
2	D4297-1	Bearpaw
12	AN4-17A	Bolt
12	AN4-20A	Bolt
12	NAS1149D0463J	Washer
12	MS21042L4	Nut or (MS21042-4)

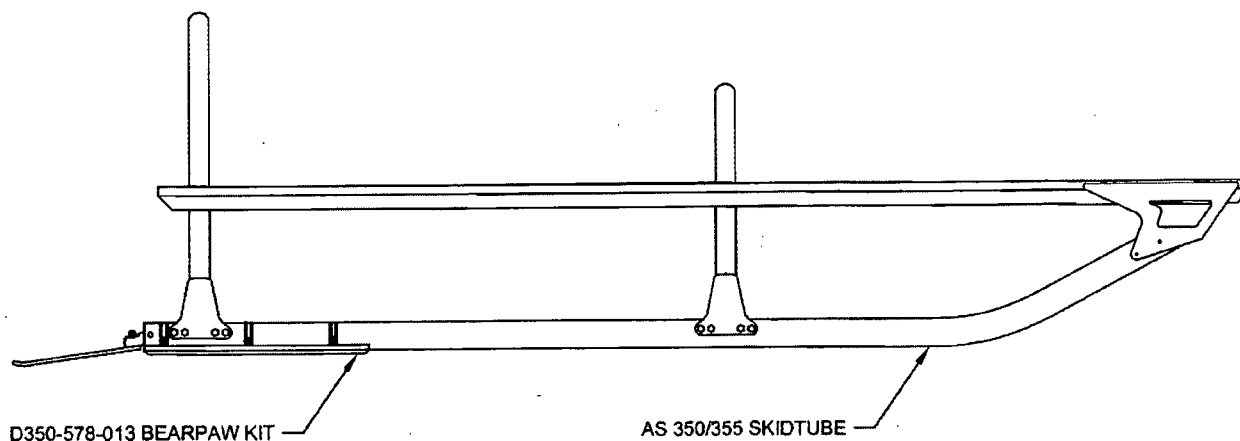
CANADA  
DEPARTMENT OF TRANSPORT  
AIRCRAFT CERTIFICATION  
BRANCH  
DAO # 01-O-01

APPROVED

BY:   
D. SHEPHERD (DE # 02)

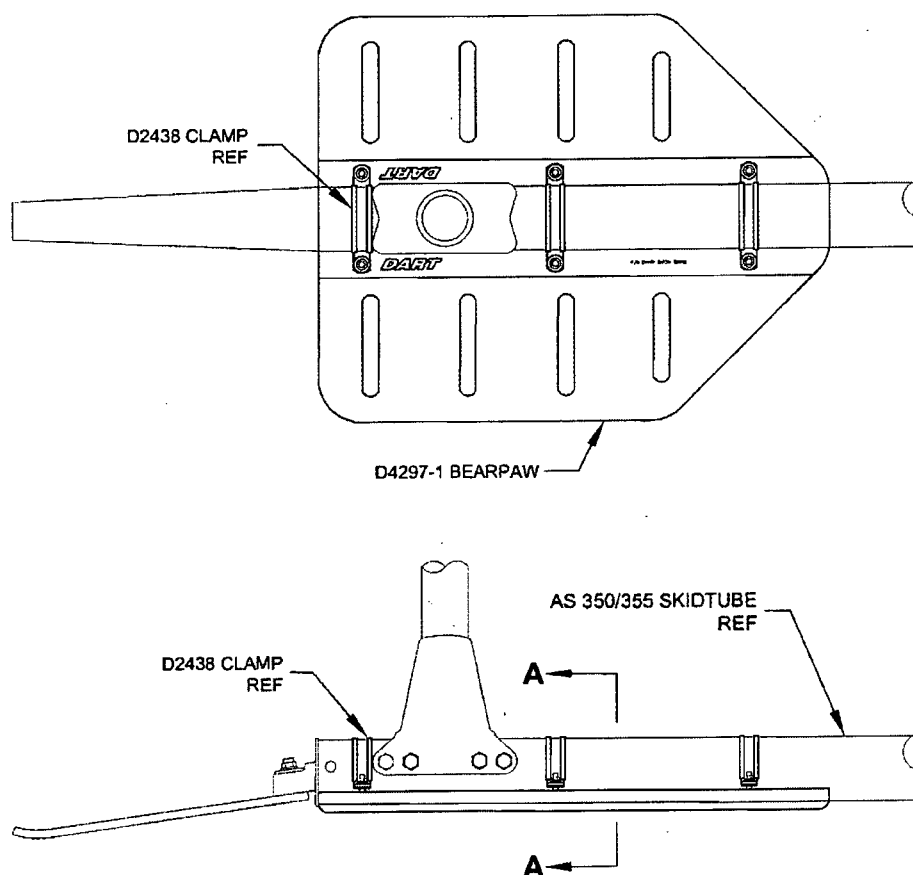
DATE: 11.02.25  
CERT. NO.: SH93-4  
ISSUE NO.: 8

B	ADD AN4-20A	RF	11.02.25
A	NEW ISSUE	RF	10.12.15
REV.	DESCRIPTION	BY	DATE
DESIGN	RF	<b>DART AEROSPACE LTD</b> HAWKESBURY, ONTARIO, CANADA	
DRAWN	RF		
CHECKED		DRAWING NO.	REV. B
MFG. APPR.		DSI 9539	SHEET 1 OF 3
APPROVED		TITLE	SCALE
DE APPR.		BEARPAW KIT	NTS
DATE	11.02.25	COPYRIGHT © 2010 BY DART AEROSPACE LTD THIS DOCUMENT IS PRIVATE AND CONFIDENTIAL AND IS SUPPLIED ON THE EXPRESS CONDITION THAT IT IS NOT TO BE USED FOR ANY PURPOSE OR COPIED OR COMMUNICATED TO ANY OTHER PERSON WITHOUT WRITTEN PERMISSION FROM DART AEROSPACE LTD.	



**Figure 1. D350-578-013 Bearpaw Kit**

**REFERENCE ONLY**



**Figure 2. Bearpaw Location (Side View & top View)**

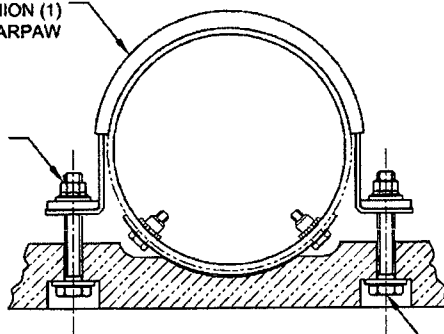
CANADA  
DEPARTMENT OF TRANSPORT  
AIRCRAFT CERTIFICATION  
BRANCH  
DAO # 01-O-01

APPROVED  
BY: *[Signature]*  
D. SHEPHERD (DE # 02)  
DATE: 11.02.25  
CERT. NO.: SH93-4  
ISSUE NO.: 8

DESIGN	RF	<b>DART AEROSPACE LTD</b>	
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CHECKED	<i>[Signature]</i>	DRAWING NO.	REV. B
MFG. APPR.	N/A	DSI 9539	SHEET 2 OF 3
APPROVED	<i>[Signature]</i>	TITLE	SCALE
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D2438 CLAMP (1)  
D2182B050 RUBBER CUSHION (1)  
3 PL PER BEARPAW

MS21042L4 NUT (1)  
AN960JD416 WASHER (1)  
D2274 RADIUS BLOCK (1)  
D2529 WASHER (1)  
AN4-17A BOLT (1)  
OR AN4-20A BOLT (1)  
6 PL PER BEARPAW



REFERENCE ON

ADDITIONAL AN960JD416 WASHERS MAY BE INSTALLED UNDER THE NUTS TO ENSURE 1.5-4 THREADS IN SAFETY ON THE BOLTS. ALTHOUGH NOT GENERALLY NECESSARY, IT IS ALSO ACCEPTABLE TO REPLACE THE AN4 BOLTS PROVIDED WITH LONGER OR SHORTER AN4 BOLTS, IF REQUIRED.

**Figure 3. Clamping Detail (Section A-A)**

CANADA  
DEPARTMENT OF TRANSPORT  
AIRCRAFT CERTIFICATION  
BRANCH  
DAO # 01-O-01

APPROVED

BY:   
D. SHEPHERD (DE # 02)

DATE: 11.02.25  
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DRAWN	RF		
CHECKED	<del>RF</del>	DRAWING NO.	REV. B
MFG. APPR.	N/A	DSI 9539	SHEET 3 OF 3
APPROVED	<del>RF</del>	TITLE	SCALE
DE APPR.	<del>RF</del>	BEARPAW KIT	NTS
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